IN THE CLAIMS

Please amend the claims to read as indicated herein.

Please cancel claims 1 – 17.

1 – 17. (canceled)

18. (currently amended) A system ~~for efficiently delivering power to a plurality of solid state technology devices, the system,~~ comprising:

~~at least one rectifier for receiving AC voltage and converting the AC voltage to~~a source that provides a high DC voltage; and

~~cables operatively connected to the at least one rectifier for routing the high DC voltage to a load; and~~

~~at least one converter operatively connected between the cables and load for scaling the high DC voltage to a voltage as required to power the load~~a converter that scales said high DC voltage to a low DC voltage,

wherein said low DC voltage is less or equal to than about 1/10 of said high DC voltage.

19. (currently amended) ~~A system as recited in Claim~~ The system of claim 18, wherein said source is a first source, said high DC voltage is a first high DC voltage, said converter is a first converter and said low DC voltage is a first low DC voltage, and

wherein said system further ~~comprising~~ comprises:

a second ~~rectifier for receiving AC voltage and converting the AC voltage to~~ source that provides a second high DC voltage; and

a second converter that scales said second high DC voltage to a second low DC voltage,

wherein said second low DC voltage is less than or equal to about 1/10 of said second high DC voltage, and

wherein said first and second low DC voltages are employed as a redundant low DC voltage feed~~a diode bridge for receiving the high DC voltage and the second high DC voltage in order to provide redundancy in the system~~.

Please add the following claims, newly numbered as claims 20 – 46.

20. (new) The system of claim 19, wherein said redundant low DC voltage feed provides power at a level that is about equal to a sum of (a) power provided by said first converter and (b) power provided by said second converter.

21. (new) The system of claim 18, wherein said source comprises a rectifier that receives an AC voltage and converts said AC voltage to said high DC voltage.

22. (new) The system of claim 21, further comprising a flywheel that stores energy, and that discharges said energy to provide said high DC voltage if said AC voltage is of an insufficient value.

23. (new) The system of claim 21, wherein said AC voltage is in a range of about 208 to 480 VAC.

24. (new) The system of claim 18,
wherein said source and said converter are housed separately from one another, and
wherein said system further comprises a conductor that routes said high DC voltage from said source to said converter.

25. (new) The system of claim 18,
wherein said source is a first source that provides said high DC voltage, and
wherein said system further comprises a second source that also provides said high DC voltage.

26. (new) The system of claim 25, wherein said second source comprises a device selected from the group consisting of a rectifier, a flywheel, a fuel cell, a battery, an uninterruptible power supply and a generator.

27. (new) The system of claim 18, wherein said high DC voltage is in a range of about 500 to 600 VDC.

28. (new) The system of claim 18, wherein said low DC voltage is in a range of about 23 to 48 VDC.

29. (new) The system of claim 18, wherein said converter provides greater than or equal to about 30kW of power.

30. (new) A system, comprising:

a first converter that scales a first high DC voltage to a first low DC voltage; and

a second converter that scales a second high DC voltage to a second low DC voltage,

wherein said first and second low DC voltages are employed as a redundant low DC voltage feed.

31. (new) The system of claim 30, wherein said first low DC voltage is less than or equal to about 1/10 of said first high DC voltage.

32. (new) The system of claim 30, further comprising:

a first source that provides said first high DC voltage; and

a second source that also provides said first high DC voltage.

33. (new) The system of claim 32, wherein said first source comprises a device selected from the group consisting of a rectifier, a flywheel, a fuel cell, a battery, an uninterruptible power supply, and a generator.

34. (new) The system of claim 30, further comprising a rectifier that converts an AC voltage to said first high DC voltage.

35. (new) The system of claim 34,

wherein said rectifier and said first converter are housed separately from one another, and

wherein the system further comprises a conductor that routes said first high DC voltage from said rectifier to said first converter.

36. (new) The system of claim 34, further comprising a flywheel that stores energy, and that discharges said energy to provide said high DC voltage if said AC voltage is of an insufficient value.

37. (new) The system of claim 34, wherein said AC voltage is in a range of about 208 to 480 VAC.

38. (new) The system of claim 30, wherein said first high DC voltage is in a range of about 500 to 600 VDC.

39. (new) The system of claim 30, wherein said first low DC voltage is in a range of about 23 to 48 VDC.

40. (new) The system of claim 30, wherein said first converter provides power of greater than or equal to about 30kW.

41. (new) The system of claim 30, wherein said redundant low DC voltage feed provides power about equal to a sum of (a) power provided by said first converter and (b) power provided by said second converter.

42. (new) The system of claim 30, wherein said redundant low DC voltage feed is utilized by a device selected from the group consisting of a computer and a telecommunication apparatus.

43. (new) The system of claim 42, wherein said device utilizes a power supply that is other than a switching mode power supply.

44. (new) A facility comprising:

a system having:

a source that provides a high DC voltage; and

a converter that scales said high DC voltage to a low DC voltage,

wherein said low DC voltage is less or equal to than about 1/10 of said high DC voltage; and

a device that utilizes said low DC voltage.

45. (new) The facility of claim 44, wherein said device is selected from the group consisting of a computer and a telecommunication apparatus.

46. (new) The facility of claim 44, wherein said device utilizes a power supply that is other than a switching mode power supply.